

666.762

• • , • • , • • , « »

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r - Al<sub>2</sub>O<sub>3</sub> , -  
.

The structural – mechanical properties of moulded masses based on corundum, polycrystalline r - Al<sub>2</sub>O<sub>3</sub> fibres and binders on the base of paraffin, silicon alcoxide and its combination have been studied. The composition of masses with improved forming properties has been determined.

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Al<sub>2</sub>O<sub>3</sub> – Si<sub>2</sub>

12 ( 48-01-36-71) ,  
r -Al<sub>2</sub>O<sub>3</sub> ( 322-7-043-95), -32  
( 6-09-3687-75) .

15 %.  
2 – 6 , 50 – 500 .

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. 1, 3, 5.

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1,

2

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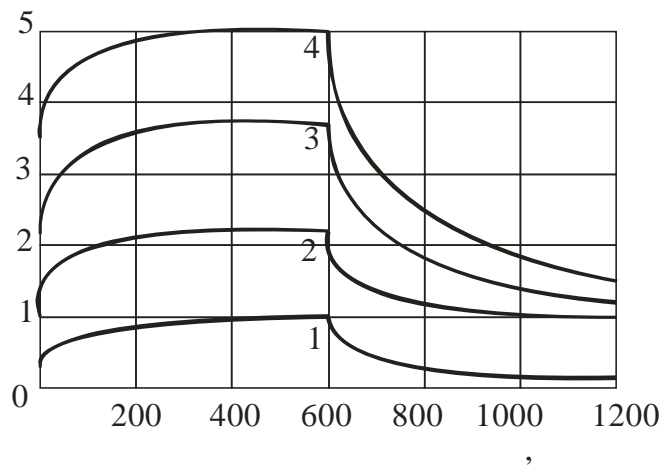
$y_1$

,

. 2, 4, 6.

1

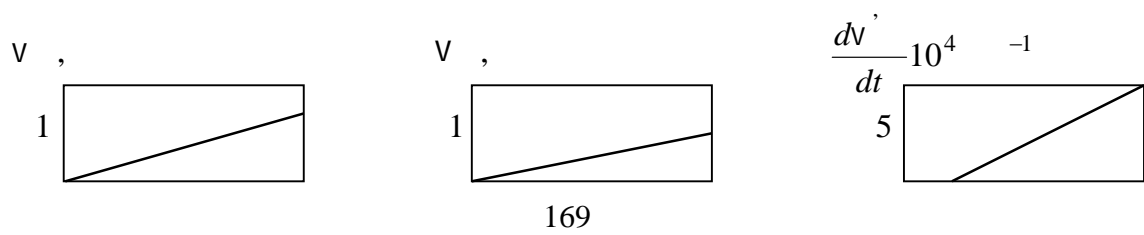
	, %			
			( 100% )	( 100% )
	85	15	-	15
	85	15	-	20
	85	15	1	25
	85	15	20	-
	85	15	25	-



. 1.

:

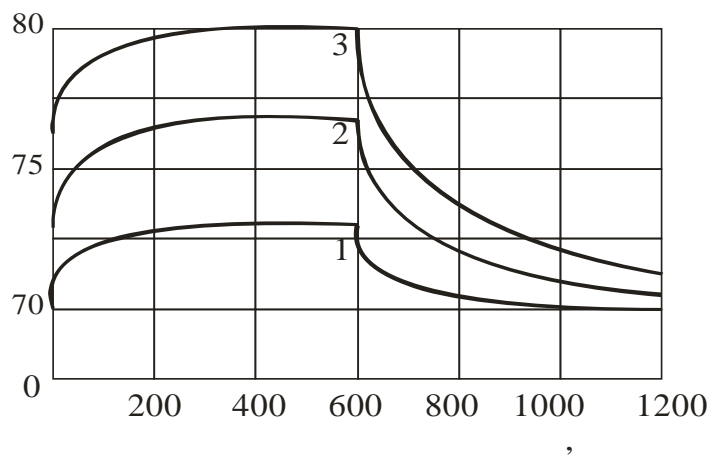
1 – 600 , 2 – 800 , 3 – 1100 , 4 – 1300 .



0 5 10 0 5 10 0 1 10  
 $\cdot 10^4 \frac{\text{—}}{2}$   $\cdot 10^4 \frac{\text{—}}{2}$   $\cdot 10^4 \frac{\text{—}}{2}$

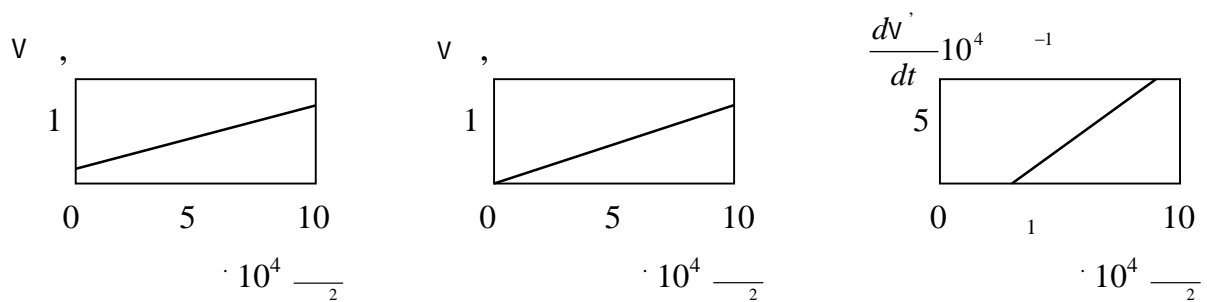
. 2.

1, 2, 1



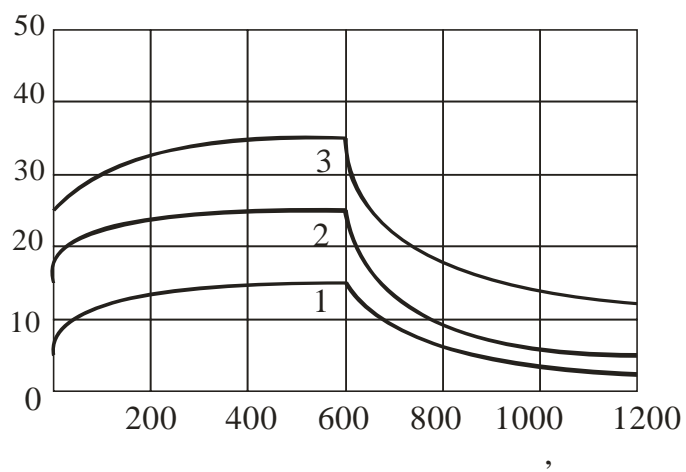
. 3.

1 – 800 , 2 – 1100 , 3 – 1300 .



. 4.

1, 2, 1



. 5.

1 – 600 , 2 – 800 , 3 – 1100 .

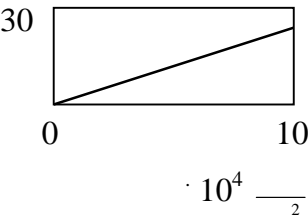
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2.

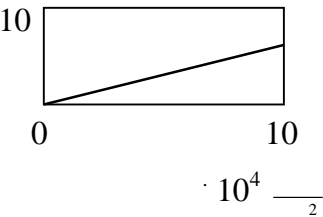
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. 7 8.

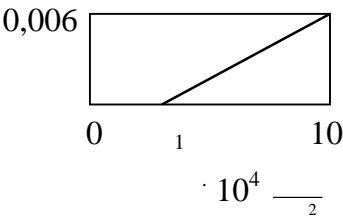
$v$  ,



$v$  ,



$\frac{dv'}{dt} 10^4 \text{ с}^{-1}$

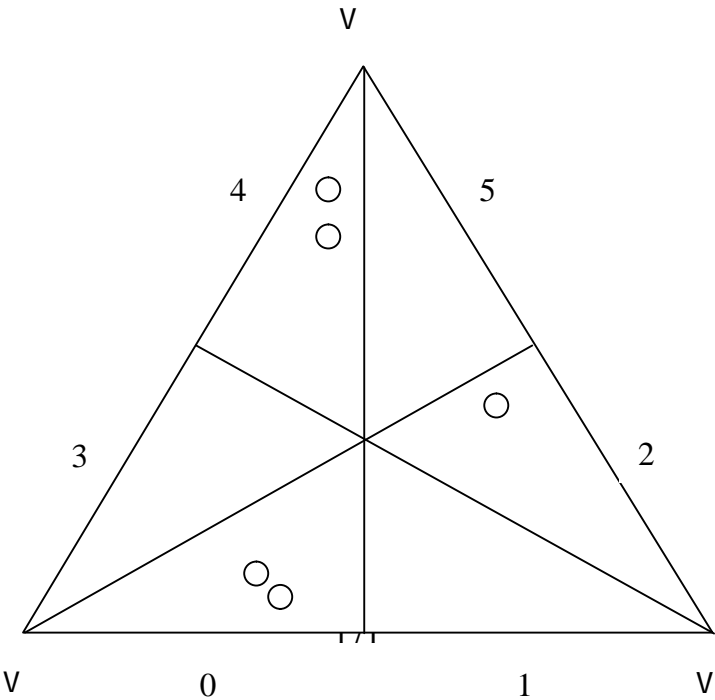


. 6.

1, 2, 1

2

				, %		
	$v$	$v$	$v$	$v$	$v$	$v$
	40	33	198	17	12	71
	200	72	995	16	6	78
	500	2700	2475	65	30	5





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22.09.07